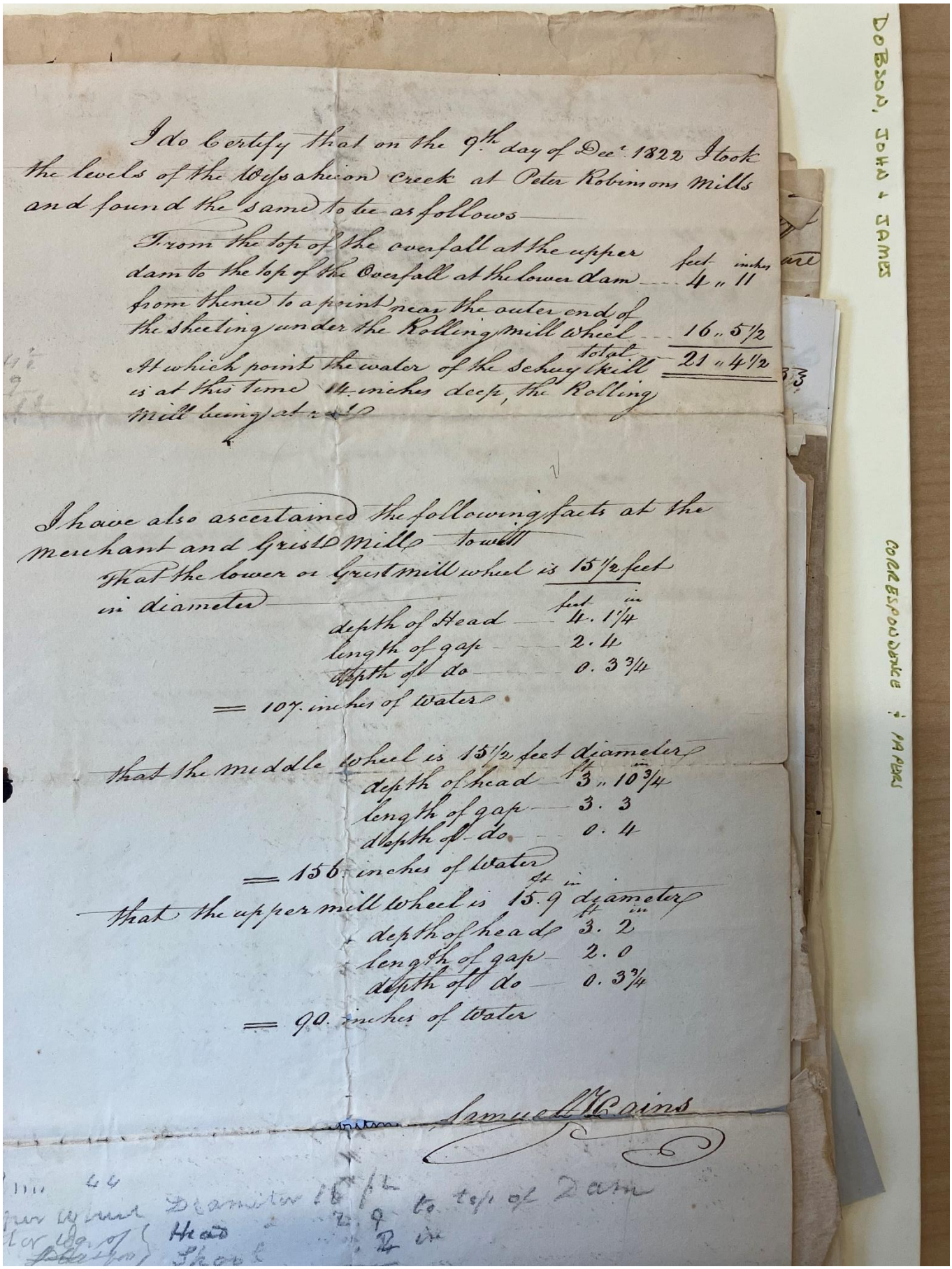
1822 Dec 22 - Measurements Robeson's two Mills **1.) the "Rolling Mill** and 2.) "Merchant and Grist Mills" (three wheels) by Samuel Haines. Key Section below.



I do Certify that on the 9th day of Decr 1822 I took the levels of the Wissahicon Creek at Peter Robinsons Mills and found the same to be as follows

	feet	inches
From the top of the overfall at the upper dam to the top of the Overfall at the lower dam	4	11
from thence to a point near the outer end of the Sheeting under the Rolling mill wheel	16	5½
total	21	4½

At which point the water of the Schuylkill is at this time 14 inches deep, the Rolling mill being at rest

I have also ascertained the following facts at the merchant and Grist Mills to wit

That the lower or Grist mill wheel is 15½ feet in diameter

	feet	in
depth of Head	4.	1¼
length of gap	2.	4
depth of do	0.	3¾

= 107. inches of water

That the middle wheel is 15½ feet diameter

	ft	in
depth of head	3	10¾
length of gap	3.	3
depth of do	0.	4

= 156. inches of water

That the upper mill wheel is 15. 9 diameter

	ft	in
depth of head	3.	2
length of gap	2.	0
depth of do	0.	3¾

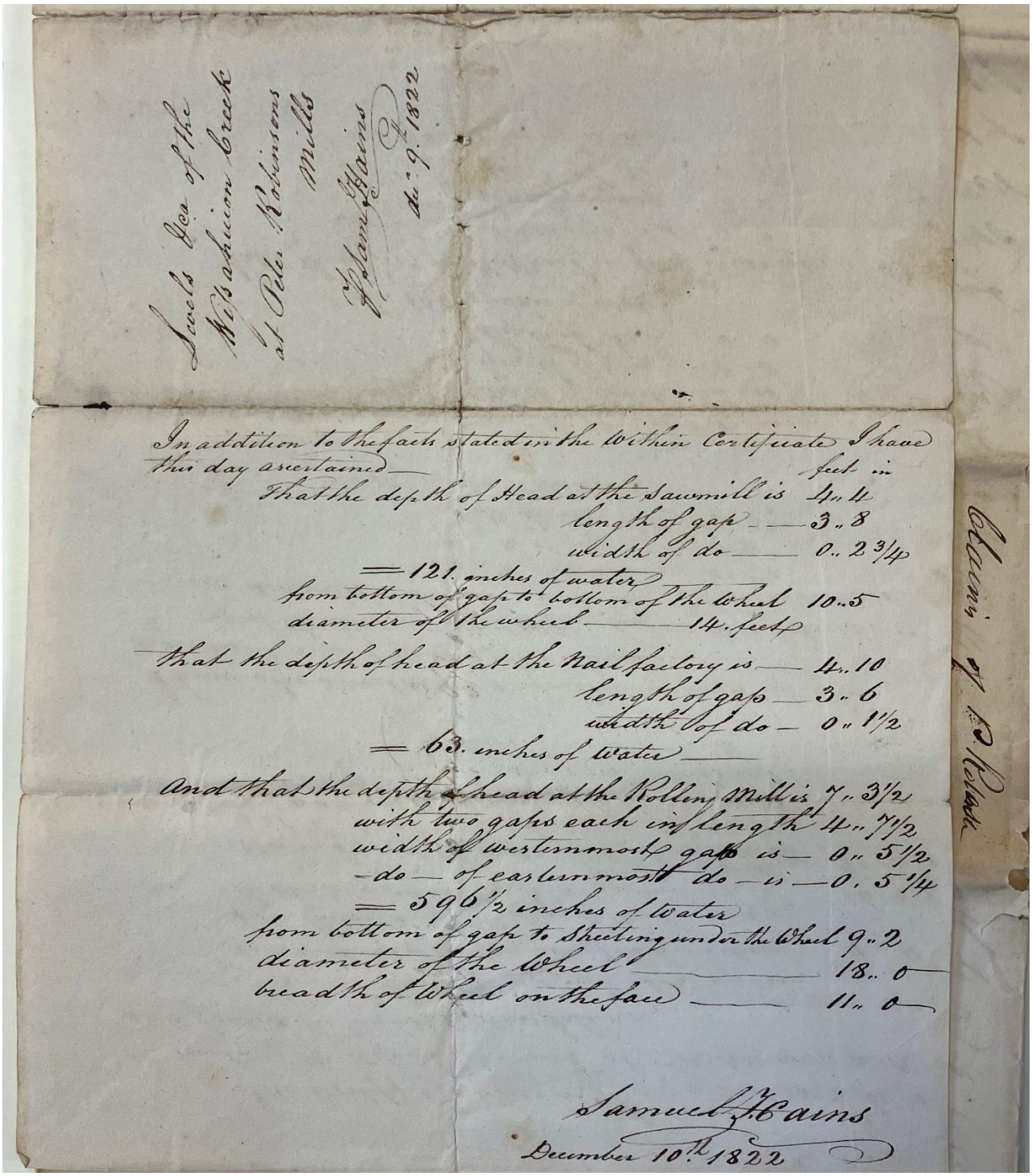
= 90. inches of water

Samuel Haines

DOBSON, JOHN & JAMES

COLLECTION OF 19 PERS

Additional measurements taken by Samuel Haines on the same day with the dimensions of the three mill's waterwheels on the west side of the Creek. The previous page's measurements were separately documented as the 3rd mill in the sequence, and its waterwheel, the Rolling Mill, was impacted by the rise in the water level of the Schuylkill River.) The sequence of mills on the west side of the Creek is the Saw Mill, a Nail Factory, and lastly, the Rolling Mill.



Scale & Dia of the Waterwheels of Peter Robinsons Mills

Samuel Haines

dec 9. 1822

In addition to the facts stated in the within Certificate I have this day ascertained—

feet in

That the depth of Head at the Sawmill is 4.. 4

length of gap — 3.. 8

width of do — 0.. 2 3/4

= 121. inches of water

from bottom of gap to bottom of the Wheel 10.. 5

diameter of the wheel — 14. feet

That the depth of head at the Nail factory is — 4.. 10

length of gap — 3.. 6

width of do — 0.. 1 1/2

= 63. inches of water

And that the depth of Head at the Rolling Mill is 7.. 3 1/2

with two gaps each in length 4.. 7 1/2

width of westernmost gate is — 0.. 5 1/2

do — of easternmost do — is — 0. 5 1/4

= 596 1/2 inches of water

from bottom of gap to Sheeting under the Wheel 9.. 2

diameter of the Wheel — 18.. 0

breadth of Wheel on the face — 11.. 0

Samuel Haines

December 10th 1822

Colleens 7 P. Robinson